Cancer Rates for McHenry County 2000-2004

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Cancer Surveillance

- The National Cancer Institute's Surveillance,
 Epidemiology and End Results Program (SEER)
 - Collects and publishes incidence and survival data from population-based cancer registries
 - Collectively, geographic areas selected reflect the US population
 - Analyzes cancer mortality data collected from the National Vital Statistics System
- Illinois State Cancer Registry
 - Collects cancer incidence data
 - All medical facilities report cancer cases



Illinois State Cancer Registry

State cancer registries are designed to¹:

- Monitor cancer trends over time.
- Determine cancer patterns in various populations.
- Guide planning and evaluation of cancer control programs (e.g., determine whether prevention, screening, and treatment efforts are making a difference).
- Help set priorities for allocating health resources.
- Advance clinical, epidemiologic, and health services research.
- Provide information for a national database of cancer incidence.



Cancer Trends for McHenry County

- McHenry County has seen a falling trend in cancer death rates over the 2000-2004 rate period
- McHenry County death rates for all cancer sites are similar to the US death rates
- McHenry County has seen similar trends in cancer incidence rates compared to Illinois
- Lung cancer is the leading cause of death from cancer for both McHenry males and females, followed by prostate cancer for males and breast cancer for females.



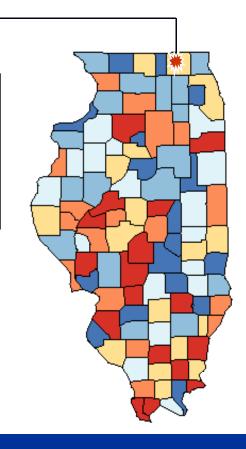
Age-Adjusted Death Rates for All Cancer Sites Combined for 2000-2004

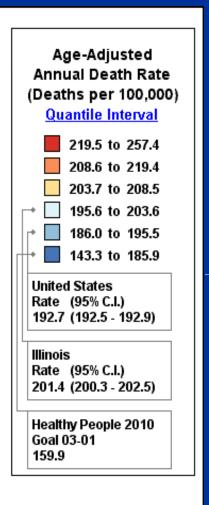




Age-Adjusted Death Rates for Illinois, 2000 - 2004 All Cancer Sites All Races (includes Hispanic), Both Sexes, All Ages⁴

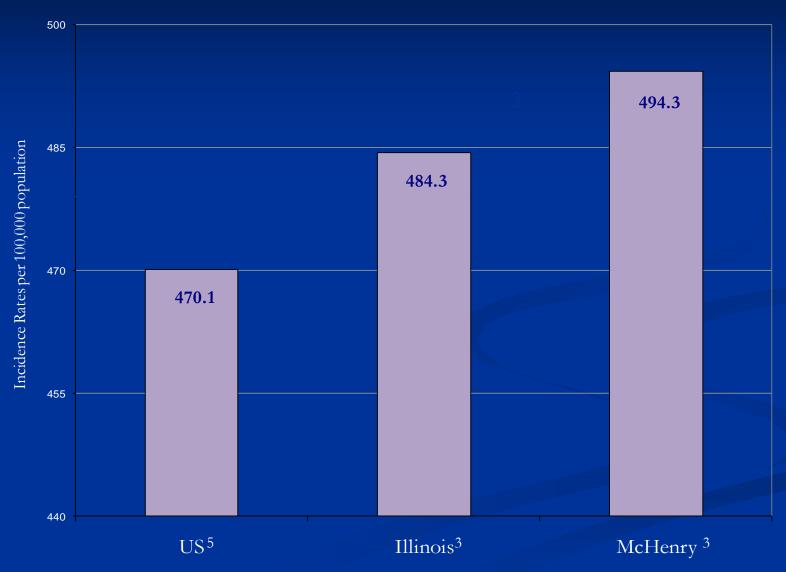
McHenry County, <u>207.8</u> deaths per 100,000 people





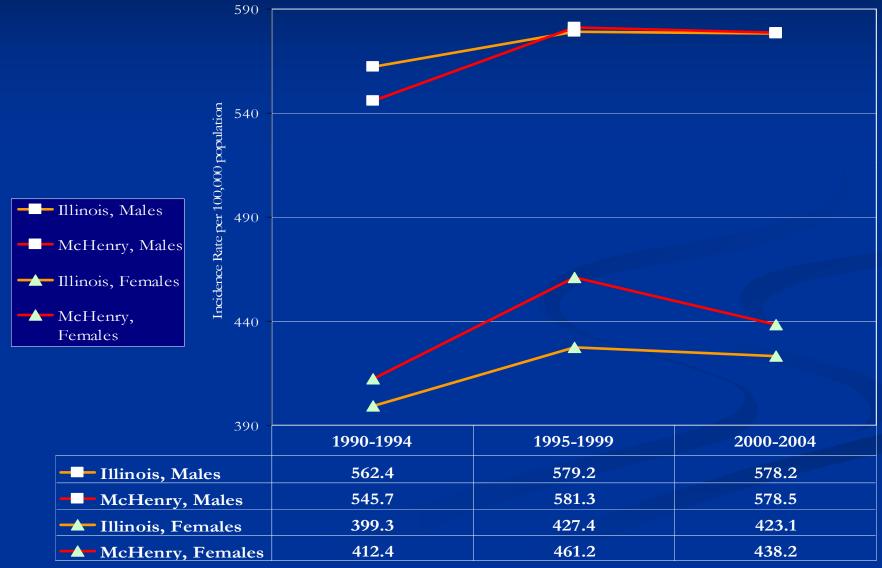


Age-Adjusted Incidence Rates for All Cancer Sites Combined for 2000-2004





Comparing Illinois and McHenry County's 5-Year Incidence Rates for All Cancer Sites Combined³



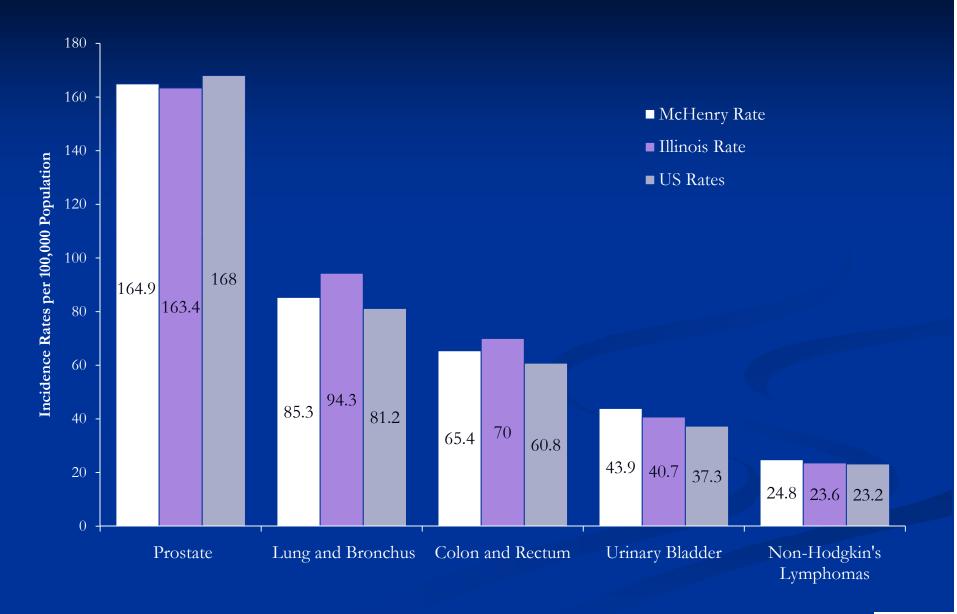


Leading Cancer Sites Among Both Sexes for McHenry County

Site	Percentage of All Sites 2000-2004 ³	Percentage of All Sites 1999-2003 ³
1. Breast	14.7 %	17.5 %
2. Prostate	14.2 %	13.3 %
3. Lung and Bronchus	13.3 %	13.2 %
4. Colon and Rectum	10.8 %	11.2 %
5. Urinary Bladder	4.8 %	4.8 %
6. Non-Hodgkin's Lymphomas	4.4 %	4.2 %
7. Melanoma of the Skin	4.2 %	4.0 %
8. Corpus and Uterus, NOS	3.2 %	2.9 %
9. Kidney and Renal Pelvis	2.9 %	3.0 %
10. Leukemia's	2.6 %	2.5 %

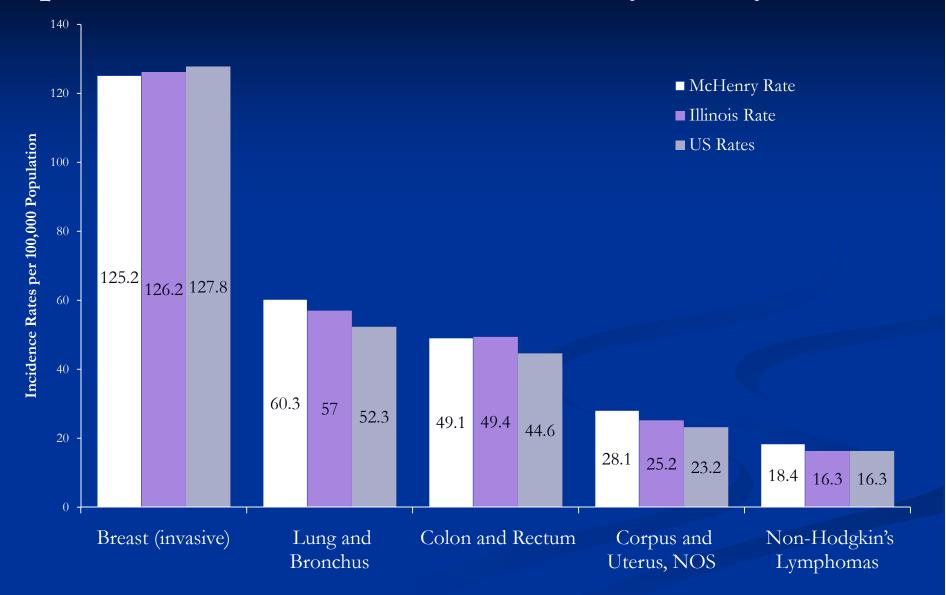


Top 5 Cancer Sites: Males in McHenry County 2000-2004³



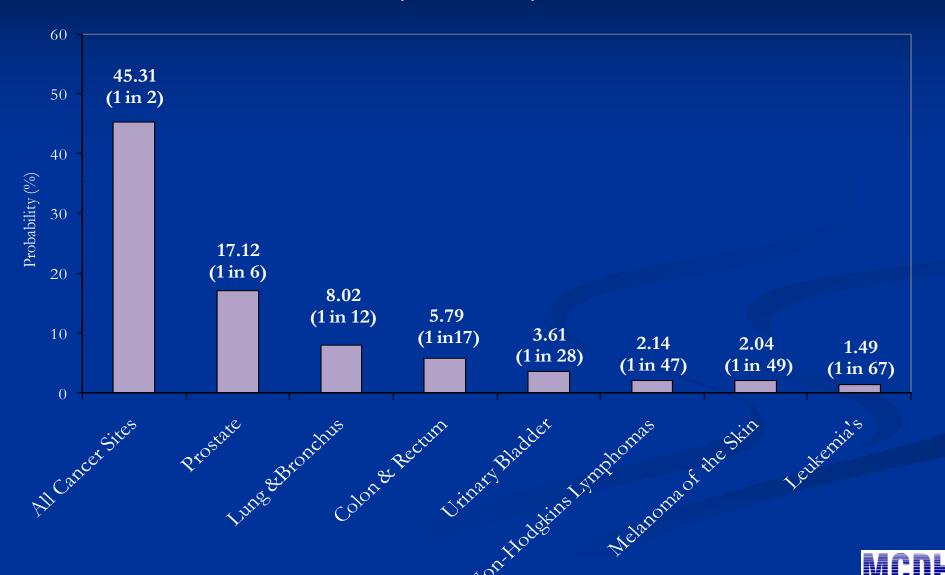


Top 5 Cancer Sites: Females in McHenry County 2000-2004³

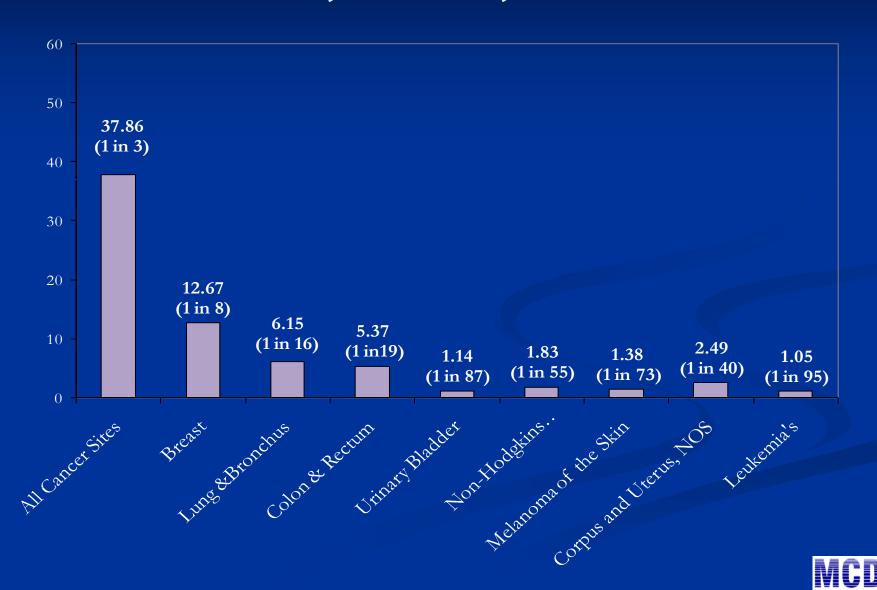




Probability of Developing Invasive Cancer Over a Lifetime, Males, US 2001 to 2003²



Probability of Developing Invasive Cancer Over a Lifetime, Females, US 2001 to 2003²



Probability (%)

Data Interpretation

- Observed variations in incidence and mortality may be:
 - Real³
 - Reflect modifications in risk factor
 - Be a consequence of participation in screening and early detection programs
 - Not Real³
 - Result of random fluctuations
 - Attributed to factors related to the estimation process



Resources

- 1. Department of Health and Human Services, Center for Disease Control and Prevention (CDC), National Program of Cancer Registries, http://www.cdc.gov/cancer/NPCR/about.htm
- 2. DevCan: Probability of Developing or Dying of Cancer Software, Version 6.1.0 Statistical Research and Applications Branch, National Cancer Institute, 2006. www.scrab.cancer.gov/devcan
- 3. Illinois Department of Public Health, Illinois State Cancer Registry, public dataset as of November 2006
- 4. National Cancer Institute, State Cancer Profiles, Interactive Maps, www.statecancerprofiles.cancer.gov
- 5. Ries LAG, Melbert D, Krapcho M, Mariotto A, Miller BA, Feuer EJ, Clegg L, Horner MJ, Howlander N, Eisner MP, Reichman M, Edwards BK (eds). SEER Cancer Statistics Review, 1975-2004, National Cancer Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975 2004/, based on November 2006 SEER data submission, posted to the SEER web site, 2007